

Product Information

HES5B/8B Series

5 and 8-port Din-rail Entry-level Unmanaged Ethernet Switches



Features

- 5 or 8 port, copper and LC fiber port options
- UL/cUL508, Class I/Division 2 Groups A,B,C, and D
- Designed to meet Level 3 (Heavy) industrial environments
- EN61000-6-2 Certifications
- Shock, vibration, free fall tested
- IP40 rated DIN rail case with 6 different panel mount options



Henrich Electronics Corporation

Main Office

Tel: 860-487-9869

Fax: 860-487-9478

www.henrich-inc.com

Introduction

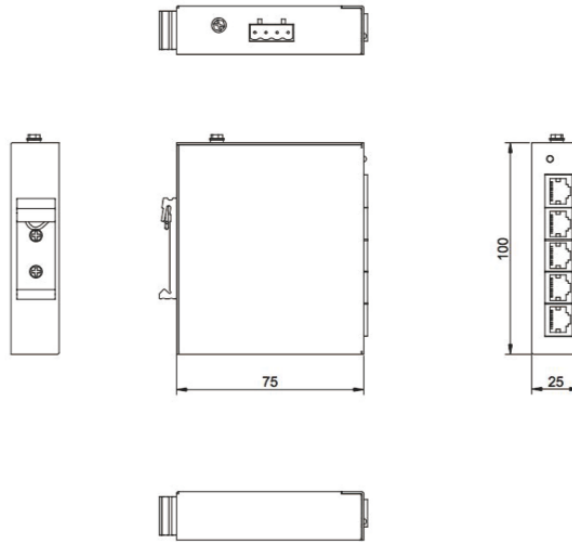
The HES5B/8B series of industrial Ethernet switches are UL/cUL508 class1, Division2 rated, highly compacted industrial 5 and 8-port Ethernet switches that support IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX auto-sensing RJ45 ports. The HES5B/8B switches are rated to operate at temperatures ranging from -10 to 60°C, or with a wide operating temperature range from -40 to +75°C. The switches can be easily installed on a DIN-rail as well as multi-directional panel mounting. The UL rating mounting capability, wide operating temperature, and the IP40 housing make this line of switches very ruggedized and friendly to use.

Specifications

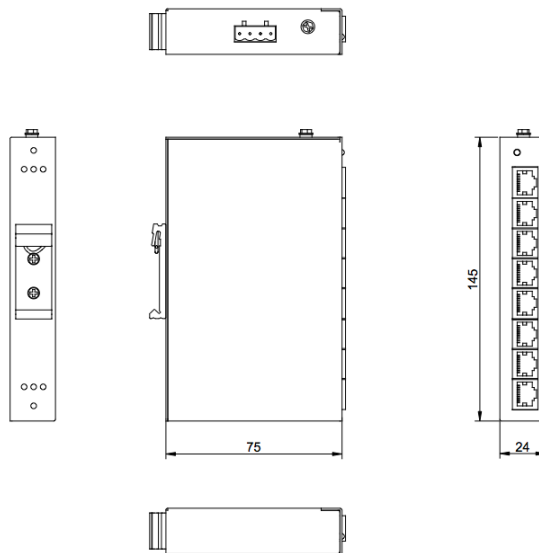
| Technology | | Optical Fiber | | |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|-------------|
| Standard : | IEEE802.3, 802.3u, 802.3x | Mode | Multi-mode | Single Mode |
| Processing Type : | Store and forward with IEEE802.3x full duplex, non-blocking flow control | Transmission Distance | 2km | 20km |
| Protocols : | IEEE802.3x flow control, back pressure flow control | Centre Wavelength | 1310nm | 1310nm |
| Switch Properties | | Cable Size | 62.5/125um | 9/125um |
| MAC Table Size : | 2K | TX Power(dBm) | -20~-10dBm | -15~-8dBm |
| Interface | | RX Power(dBm) | < -32dBm | < -32dBm |
| RJ45 Port : | 10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection | Transmission Rate | 100Mbps | 100Mbps |
| Fiber Port : | 100BaseFX, (multi-mode or single-mode with LC connectors) | Standards and Certifications | | |
| LED Indicators : | Power, (Link / Speed / Activity for each port) | Safety : | UL/cUL508 | |
| Power Requirements | | EMI : | FCC Part15, CISPR(EN55022) Class A | |
| Input Voltage : | 12~36VDC and 10~24VAC | EMS : | EN61000-4-2(ESD) Level 3, | |
| Power Consumption : | 4w Max | | EN61000-4-3(RS) Level 3, | |
| Input Connection : | Removable Terminal Block | | EN61000-4-4(EFT) Level 3, | |
| Protection : | Reverse Polarity Protection | | EN61000-4-5(Surge) Level 3, | |
| Physical Characteristics | | EN61000-4-6(CS) Level 3, | | |
| Case : | Slim Metal Case, IP30 Design | EN61000-6-2 | | |
| Dimensions : | 25×100×75mm (HES5B) 24×145×75mm (HES8B) | UL Class 1, Division 2, Groups A, B, C, and D | | |
| Installation : | DIN Rail or Panel Mounting | Shock : | IEC 60068-2-27 | |
| Environment Limits | | Freefall : | IEC 60068-2-32 | |
| Operating Temp. : | Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C | Vibration : | IEC 60068-2-6 | |
| Storage Temp. : | -40 to 85°C | Warranty | | |
| Ambient Relative Humidity : | 5 to 95%(Non-condensing) | Warranty Period : | 3 years | |

Dimension Drawings

HES5B



HES8B



Ordering Information

HES5B

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|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| HES5B-VL | Entry-level Din-rail Unmanaged, 5 x 100Mbps Copper Port, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC |
| HES5B-VLW | Entry-level Din-rail Unmanaged, 5 x 100Mbps Copper Port, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC |

HES8B

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| HES8B-VL | Entry-level Din-rail Unmanaged, 8 x 100Mbps Copper Port, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC |
| HES8B-VLW | Entry-level Din-rail Unmanaged, 8 x 100Mbps Copper Port, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC |